Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/20/2019 09:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125512	0	2.52	125628	2.50
Blue	F	SSC	125000	124892	-1	1.66	125693	1.61
Blue	E	FITC	16433	16200	-2	2.69	353	19.23
Blue	D	PE	27595	27407	-1	1.87	597	14.68
Blue	B	PerCP-Cy5-5	43183	43533	0	3.53	1169	20.43
Blue	A	PE-Cy7	31943	32164	0	6.01	616	40.18
Red	C	APC	42819	42416	-1	2.40	1504	11.67
Red	A	APC-Cy7	31261	29976	-5	2.32	798	11.44
Violet	B	V450	6527	6294	-4	4.27	351	13.02
Violet	A	V500	24533	23532	-5	4.11	546	10.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17874	13.00	616	16	N/A	N/A	Pass
Blue	F	SSC	56880	1.13	556	8	N/A	N/A	Pass
Blue	E	FITC	63	62.06	543	4	0.0218	111	Pass
Blue	D	PE	125	48.84	540	6	0.1604	254	Pass
Blue	B	PerCP-Cy5-5	215	48.74	654	12	0.0088	18	Pass
Blue	A	PE-Cy7	113	98.20	701	12	0.0111	10	Pass
Red	C	APC	358	25.44	578	-5	0.0278	299	Pass
Red	A	APC-Cy7	176	27.86	556	-7	0.0062	1115	Pass
Violet	B	V450	53	57.66	447	-8	0.0496	1742	Pass
Violet	A	V500	82	32.15	458	-9	0.0221	514	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.82	-32.31	1.00
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	16.70	13.60 - 20.40	N/A	N/A	29.74	30.29	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10507

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments